CONFIDENTIAL

CLAIMS

What is claimed is:

1   **1.**   A method for providing client aware content aggregation and rendering in a portal

2   server, comprising:

3   receiving content from a plurality of channels;

4   aggregating the content from the channels using an aggregator, the aggregator

5   configured to process the content using a first markup language;

6   processing the aggregated content using a rendering engine, the rendering engine

7   configured to output the aggregated content in a second markup language tailored for a

8   client device; and

9   outputting the aggregated content in the second markup language to the client

10   device.

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1   **2.**   The method of claim 1, wherein the first markup language is AML (abstract markup

2   language).

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1   **3.**   The method of claim 1, wherein the second markup language is a device specific

2   markup language in accordance with the requirements of the client device

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1   **4.**   The method of claim 1, wherein the content received from a plurality of channels

2   includes AML based pages

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1   **5.**   The method of claim 1, wherein the content received from at least one of the plurality

2   of channels includes content in the second markup language

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4   **6.**   A method of processing a request for content from an access device, comprising:

1   providing a first channel having content in a first markup language;

2   providing a second channel having content in the first markup language;

3   aggregating the first channel content with the second channel content to form a first

4   document in the first markup language; and

5   post-processing the first document to form a second document in a second markup

6   language.

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1   **7.**   The method according to claim 6, wherein:

2   the first and second channels each include a rendering channel.

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1   **8.**   The method according to claim 6, wherein:

2   the first channel includes a rendering channel; and

3   the second channel includes a non-rendering channel having content in the second

4   markup language.

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6   **9.**   The method according to claim 8, wherein:

7   the post-processing includes transforming a document from the first channel in a

8   first markup language into a document returned to the first channel in the second markup

9   language.

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1   **10.**   The method according to claim 3, wherein:

2   the first markup language includes a generic type of markup language.

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1   **11.**   The method according to claim 10, wherein:

2   the generic type of markup language includes abstract markup language (AML).

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    12.   The method according to claim 3, wherein:

the second markup language includes a device-specific markup language.

1   **13.**   The method according to claim 3, wherein:

2   the post-processing includes using a rendering engine.

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1   **14.**   A computer system configured to execute software to process a request for content from

2   an access device, comprising:

3   a first channel having content in a first markup language;

4   a second channel having content in the first markup language;

5   an aggregation of the first channel content with the second channel content to form a

6   first document in the first markup language; and

7   a post-processing of the first document to form a second document in a second

8   markup language.

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1   **15.**   The computer system according to claim 14, wherein:

2   the first and second channels each include a rendering channel.

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1   **16.**   The computer system according to claim 14, wherein:

2   the first channel includes a rendering channel; and

3   the second channel includes a non-rendering channel having content in the second

4   markup language.

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1   **17.**   The computer system according to claim 16, wherein:

2   the post-processing includes transforming a document from the first channel in a

3   first markup language into a document returned to the first channel in the second markup

4   language.

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1   **18.**   The computer system according to claim 17, wherein:

2   the first markup language includes a generic type of markup language.

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1   **19.**   The computer system according to claim 18, wherein:

2   the generic type of markup language includes abstract markup language (AML).

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1   **20.**   The computer system according to claim 14, wherein:

2   the second markup language includes a device-specific markup language.

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1   **21.**   The computer system according to claim 14, wherein:

2   the post-processing includes using a rendering engine.

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1   **22.**   A machine readable medium having embodied thereon a computer program for

2   processing by a machine, the computer program comprising:

3   code for providing a first channel having content in a first markup language;

4   code for providing a second channel having content in the first markup language;

5   code for aggregating the first channel content with the second channel content to

6   form a first document in the first markup language; and

7   code for post-processing the first document to form a second document in a second

8   markup language.

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1   **23.**   The machine readable medium according to claim 22, wherein:

2   the first and second channels each include a rendering channel.

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1   **24.**   The machine readable medium according to claim 22, wherein:

2   the first channel includes a rendering channel; and

3   the second channel includes a non-rendering channel having content in the second

4   markup language.

1   **25.**   The machine readable medium according to claim 24, wherein:

2   the post-processing includes transforming a document from the first channel in a

3   first markup language into a document returned to the first channel in the second markup

4   language.

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1   **26.**   The machine readable medium according to claim 22, wherein:

2   the first markup language includes a generic type of markup language.

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1   **27.**   The machine readable medium according to claim 26, wherein:

2   the generic type of markup language includes abstract markup language (AML).

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1   **28.**   The machine readable medium according to claim 22, wherein:

2   the second markup language includes a device-specific markup language.

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1   **29.**   The machine readable medium according to claim 22, wherein:

2   the post-processing includes using a rendering engine.

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